

AMENDMENT TO THE CLAIMS

Please amend claims 1, 9, 17, and 25.

1. (Currently Amended) A call context processor operable in a wireless communication system having a base and a remote unit wherein the call context processor is operable in the base, the call context processor comprising:

- a header extractor configured to extract a header from information extracted from initial call establishment negotiation;
- a header compressor configured to compress only relevant portions of the extracted header, the relevant portions comprising a source internet protocol (IP) address, a destination IP address, a source port, a destination port, a sequence number, a time stamp, and a payload type header field; and
- an identification module configured to establish context identification using the compressed relevant portions of the header wherein the base transfers the associated payload and payload type header portion, less than the entire header, to the remote unit.

2. (Original) The call context processor of claim 1, wherein the identification module associates the context identification with a bearer channel of a call established from the initial call establishment negotiation.

3. (Previously Presented) The call context processor of claim 1, wherein the compressed relevant portion of the extracted header will be transmitted to a remote unit with a payload wherein the header compressor not compressing portions of the header that will not be transmitted to the remote unit with the payload.

4. (Canceled)

5. (Original) The call context processor of claim 1, the header being an RTP, UDP, IP header.

6. (Original) The call context processor of claim 1, wherein the call context processor extracts information by processing a create connection message and an associated session data protocol header from the initial call establishment negotiation.

7. (Previously Presented) A transmission network for processing a data packet having a payload and a header, comprising:

a network; and

a base connected to the network that includes a call context processor, the call context processor comprising:

a header extractor configured to extract the header from information extracted from initial call establishment negotiation;

a header compressor configured to compress only relevant portions of the extracted header, the relevant portions comprising a payload type header field; and

an identification module configured to establish context identification using the compressed relevant portions of the header wherein the base transfers the payload to a remote unit and does not transfer the entire header to the remote unit.

8. (Canceled)

9. (Currently Amended) A call context processing method operable between a base and a remote unit, comprising:

processing a data packet having a payload and a header by extracting the header from information extracted from initial call establishment negotiation;

compressing only relevant portions of the extracted header, the relevant portions comprising a payload type header field;
establishing context identification using the compressed relevant portions of the header; and
transferring the associated payload and not transferring ~~the complete~~ all header fields from the base to the remote unit.

10. (Original) The call context processing method of claim 9, further comprising associating the context identification with a channel of a call established from the initial call establishment negotiation.

11-12. (Canceled)

13. (Original) The call context processing method of claim 9, the header being an RTP, UDP, IP header.

14. (Previously Presented) The call context processing method of claim 9, wherein extracting information from initial call establishment negotiation, and establishing the context identification are performed at the base of a transmission network.

15. (Original) The call context processing method of claim 14, wherein a remote unit accesses the base via airlink.

16. (Original) The call context processing method of claim 9, wherein extracting information comprises processing a create connection message and an associated session data protocol header from the initial call establishment negotiation.

17. (Currently Amended) A machine-readable medium having stored thereon a plurality of executable instructions, the plurality of instructions comprising instructions to:

process a data packet having a payload and a header to thereby extract a header from information extracted from initial call establishment negotiation;

compress only relevant portions of the extracted header, the relevant portions comprising a payload type header field;

establish context identification using the compressed relevant portions of the header; and

transfer the payload and only the compressed relevant portions of the header, less than ~~the entire~~ all header fields, to a remote unit.

18. (Original) The machine-readable medium of claim 17, having stored thereon additional executable instructions, the additional instructions comprising instructions to associate the context identification with a channel of a call established from the initial call establishment negotiation.

19-20. (Canceled)

21. (Original) The machine-readable medium of claim 17, the header being an RTP, UDP, IP header.

22. (Original) The machine-readable medium of claim 17, wherein extracting information from initial call establishment negotiation, and establishing the context identification are performed at a base of a transmission network.

23. (Original) The machine-readable medium of claim 22, wherein a remote unit accesses the base via airlink.

24. (Original) The machine-readable medium of claim 17, wherein the instructions to extract information comprises instructions to process a create connection message and an associated session data protocol header from the initial call establishment negotiation.

25. (Currently Amended) A call processing method for processing a data packet having a payload and a header, comprising:

extracting the header from information extracted from initial call establishment negotiation;

combining only relevant portions of the extracted header and the payload, the relevant portions comprising a payload type header field; and

transmitting only the relevant portions of the extracted header, less than ~~the entire~~ all header fields, and the payload to a remote unit.

26. (Previously Presented) The method of claim 25, further comprising compressing the relevant portions of the extracted header.

27. (Previously Presented) The method of claim 26 wherein compressing the relevant portions of the extracted header is performed prior to combining the relevant portions of the extracted header with the payload portion.

28. (Previously Presented) The method of claim 25, further comprising establishing a call context using the relevant portions of the extracted header.

29. (Previously Presented) The method of claim 25 wherein the relevant portions of the extracted header are required for transmission of the payload to the remote unit.

30. (Previously Presented) The method of claim 25 wherein portions of the extracted header not required by the remote unit are not transmitted to the remote unit.

31. (Canceled)

32. (Previously Presented) A call context processor for processing a data packet having a payload and a header, comprising:

a header extractor configured to extract the header from information extracted from initial call establishment negotiation;

a header compressor configured to compress only relevant portions of the extracted header, the relevant portions comprising a source internet protocol (IP) address, a destination IP address, a source port, a destination port, a sequence number, and a time stamp; and

an identification module configured to establish context identification using the compressed relevant portions of the header wherein the call context processor transfers the payload and only the relevant portions of the header, less than the complete header, to a remote unit.